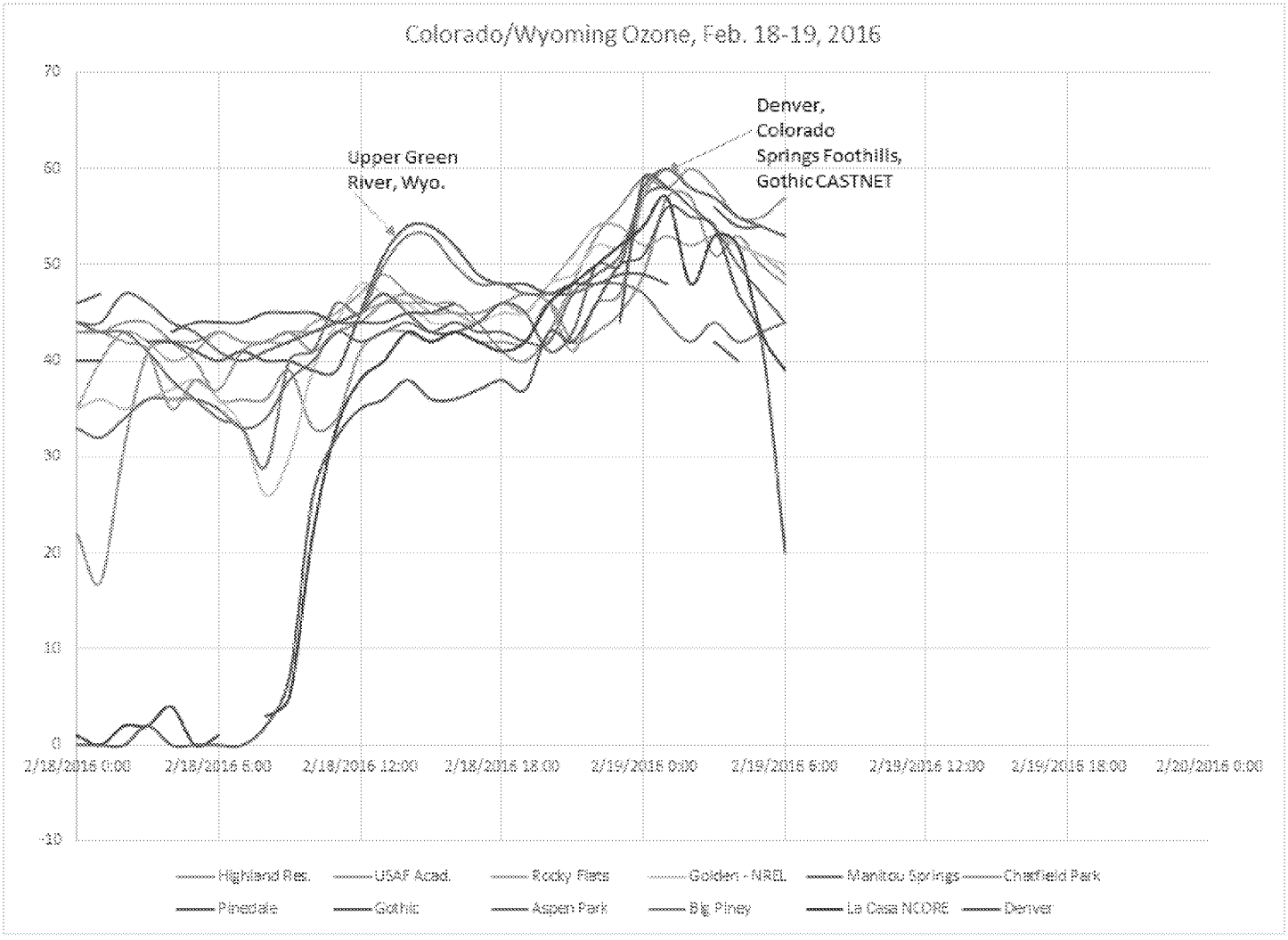
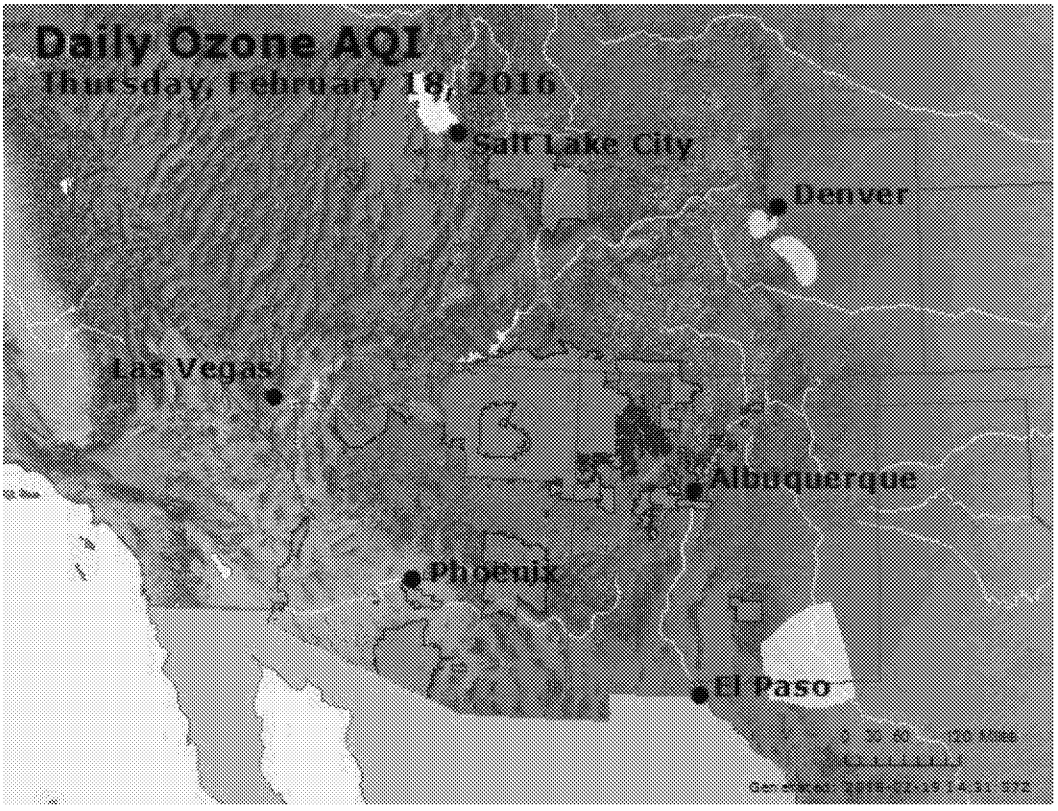
Message

From: Payton, Richard [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B05F3A57A2C24A16AF33518E56451BF7-PAYTON, RICHARD]
Sent: 2/19/2016 2:36:33 PM
To: Patrick Reddy [Personal Matters / Ex. 6]; Irina Petropavlovskikh - NOAA Affiliate [irina.petro@noaa.gov]
CC: Andrew Langford-NOAA Federal [andrew.o.langford@noaa.gov]; Brad Pierce - NOAA Federal [brad.pierce@noaa.gov]; McCammon, Ryan [rmccammon@blm.gov]; Tonnesen, Gail [Tonnesen.Gail@epa.gov]; cara.keslar@wyo.gov; pbarickman@utah.gov; huys@clarkcountynv.gov; fforsgre@ndep.nv.gov; Landes - CDPHE, Scott [scott.landes@state.co.us]; Malone - CDPHE, Emmett [emmett.malone@state.co.us]; Briggs - CDPHE, Kevin [kevin.briggs@state.co.us]; emma yates [emma.l.yates@nasa.gov]; Christoph Senff - NOAA Affiliate [christoph.senff@noaa.gov]; Audra McClure - NOAA Affiliate [Audra.mcclure@noaa.gov]; Gabriele Pfister [pfister@ucar.edu]; Gordon Pierce - CDPHE [gordon.pierce@state.co.us]
Subject: RE: Stratospheric Intrusion event

Surface ozone high sites in Wyoming and Colorado, Feb. 18-19; some afternoon ozone in the mig 50 ppb range at the Pinedale Wyoming CASTNET site and Big Piney, Wyoming; 60 ppb ozone arrives at the Denver foothills sites and USAF Academy in Colorado Springs around midnight.



Eight hour averages over 55 ppb in yellow:



Richard Payton
EPA Region 8 Air Quality Monitoring
(303) 312-6439

From: Patrick Reddy [mailto:Personal Matters / Ex. 6
Sent: Thursday, February 18, 2016 4:32 PM
To: Irina Petropavlovskikh - NOAA Affiliate <irina.petro@noaa.gov>
Cc: Andrew Langford-NOAA Federal <andrew.o.langford@noaa.gov>; Brad Pierce - NOAA Federal <brad.pierce@noaa.gov>; McCammon, Ryan <rmccammon@blm.gov>; Payton, Richard <Payton.Richard@epa.gov>; Tonnesen, Gail <Tonnesen.Gail@epa.gov>; cara.keslar@wyo.gov; pbarickman@utah.gov; huys@clarkcountynv.gov; fforsgre@ndep.nv.gov; Landes - CDPHE, Scott <scott.landes@state.co.us>; Malone - CDPHE, Emmett <emmett.malone@state.co.us>; Briggs - CDPHE, Kevin <kevin.briggs@state.co.us>; emma yates <emma.l.yates@nasa.gov>; Christoph Senff - NOAA Affiliate <christoph.senff@noaa.gov>; Audra McClure - NOAA Affiliate <Audra.mcclure@noaa.gov>; Gabriele Pfister <pfister@ucar.edu>; Gordon Pierce - CDPHE <gordon.pierce@state.co.us>
Subject: Re: Stratospheric Intrusion event

AIRNow Tech shows O3 below 50 ppb pretty much everywhere in the West right now.

Pat

On Thu, Feb 18, 2016 at 4:24 PM, Irina Petropavlovskikh - NOAA Affiliate <irina.petro@noaa.gov> wrote:

> So far we have not see anything indicative of stratospheric intrusion in our surfafce ozone data at either BAO or NWR station.
> Unfortunately instrument at the TUN station (higher altitude) has been out of commission since November.
> Audra is working to fix the instrument in the upcoming weeks
> Cheers,
> irina

On Thu, Feb 18, 2016 at 10:35 AM, Andrew Langford-NOAA Federal <andrew.o.langford@noaa.gov> wrote:

I'll see if Raul can get TOPAZ up and running-we're in the midst of replacing our data acquisition system.
Andy

On Feb 18, 2016, at 10:33, Brad Pierce - NOAA Federal <brad.pierce@noaa.gov> wrote:

RAQMS shows the enhanced ozone aloft but not much surface influence (attached).

Brad

On Thu, Feb 18, 2016 at 8:58 AM, McCammon, Ryan <rmccammon@blm.gov> wrote:

All,

I agree with Pat's assessment (I still try to look at weather everyday).
That said, please see the attached 6 am MST/Feb. 18th Total Column Ozone image.

Regards,
Ryan

Ryan McCammon, Air Resource Specialist BLM-Wyoming State Office
5353 Yellowstone, Cheyenne, WY. 82009
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(307)775-6156

On Thu, Feb 18, 2016 at 7:48 AM, Patrick Reddy <Personal Matters / Ex. 6> wrote:

Greetings all,

Looks like we could have some elevated surface O3 in parts of California, Nevada, Utah, Colorado, and possibly Wyoming today and early tomorrow as a fast moving upper-level disturbance moves through. I have attached 06z GFS model plots for three time periods which show 600 mb IPV in blue (>1.5 PVUs), 600 mb RH in yellow (< 15%), and GFS total column O3 in Dobson Units. Please feel free to forward these since I no longer have a comprehensive intrusion workgroup list.

Scott Landes at CDPHE may be able to give you updates today. The Front Range is under various high wind and Red Flag warnings today, and winds gusted to 97 mph west of Ft. Collins earlier this morning.

Cheers!

Pat Reddy
retired, or semi-retired, and I still vaguely remember what an intrusion is

--

R. Bradley Pierce

NOAA/NESDIS
Center for SaTellite Applications and Research (STAR)
Advanced Satellite Products Branch (ASPB)
1225 West Dayton Street
Madison, WI 53706
<RAQMS_SI_FX_Feb_18-19_2016.pptx>

The contents of this message are mine personally and do not necessarily reflect any position of NOAA.

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